Experimental Set-up

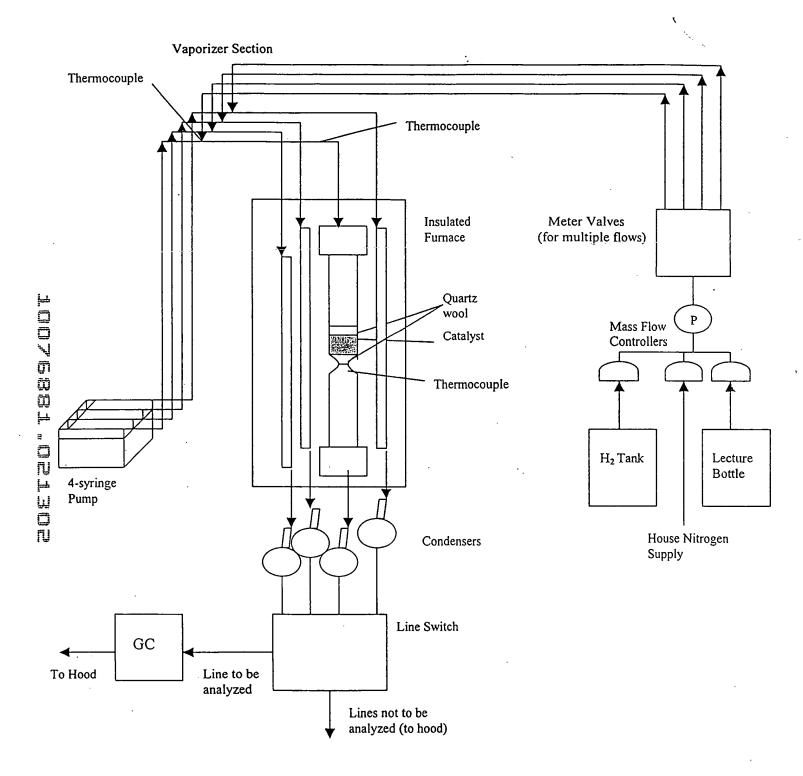


Fig. 1

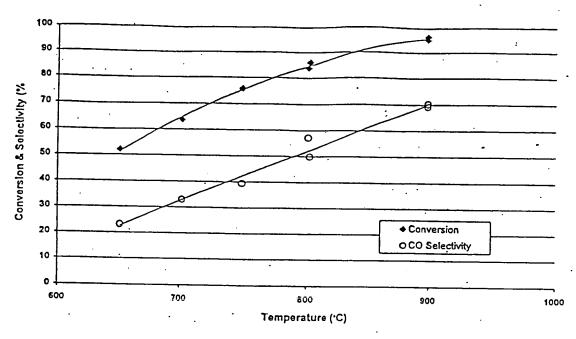


Fig. 2

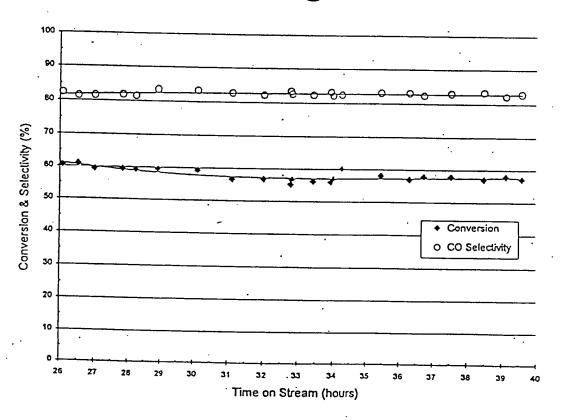


Fig. 3

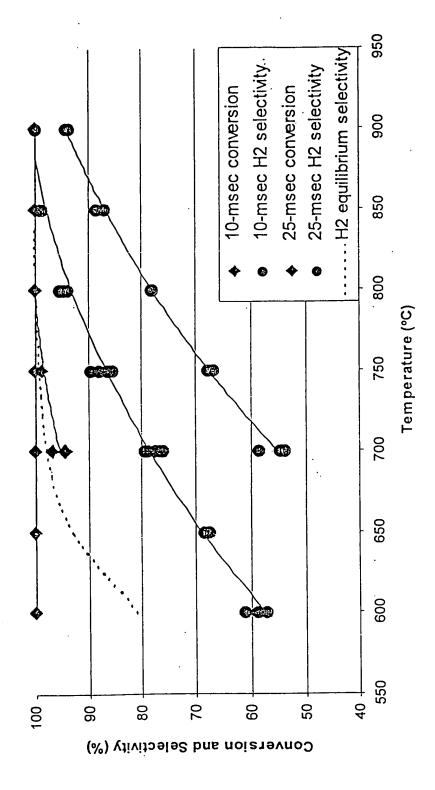


Fig. 4

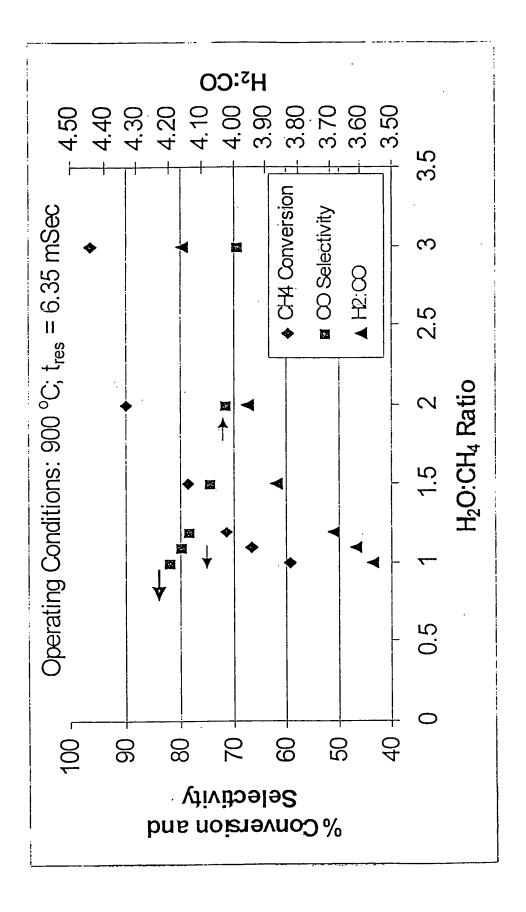


Fig. 5

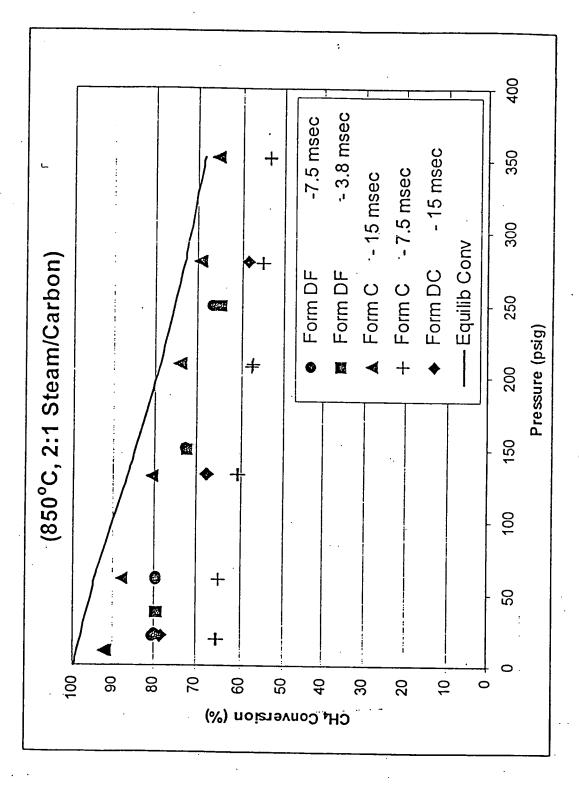


Fig. 6

Powd. Conv. □ Powd. Sel. 25-msec CT, $H_2O:CH_4 = 3$ Temperature (°C) Eng. Conv. Eng. Sel. % CH4 Conversion & CO Selectivity

7.5 msec 3.8 msec ▲ Form C 15 msec ■ Form DF Form DF Engineered Catalyst Structures 850C Constant Bed Temp; 2:1 Steam/Carbon +

20

8

S

CO Selectivity (%)

ç

8

8

6

8

50

8

Fig. 8

350

300

250

Pressure (pslg)

150

9

S

15 msec

♦ Formi DC

+Form C 7.5 msec

FIG. 9

Propane Conversion

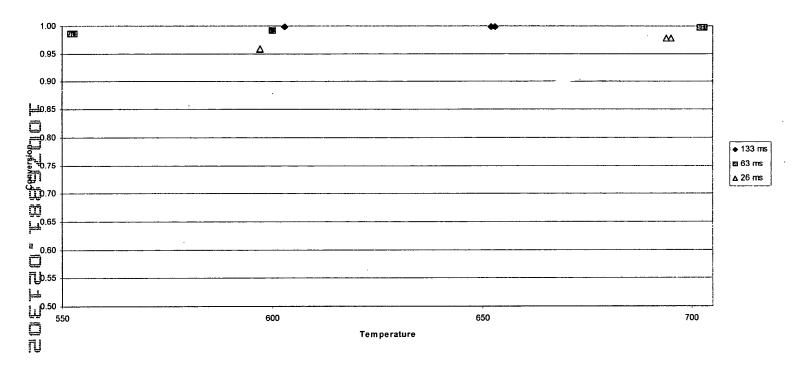
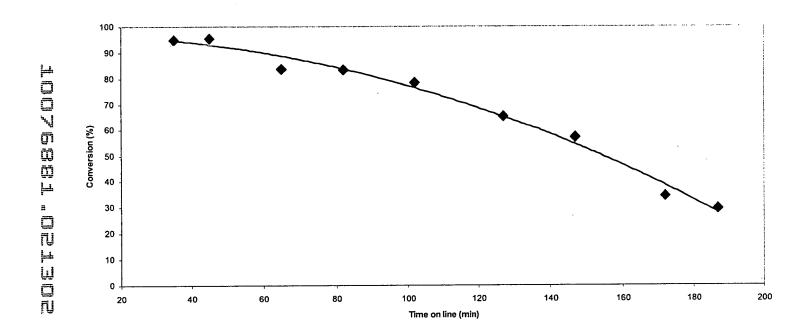


FIG. 10

JP-8 SR (Cat Bed Temperature 650C; 3:1 Steam to Carbon; 25 msec CT



Syn Fuel SR 13814-115 powder (R1) (H2O:C=3)

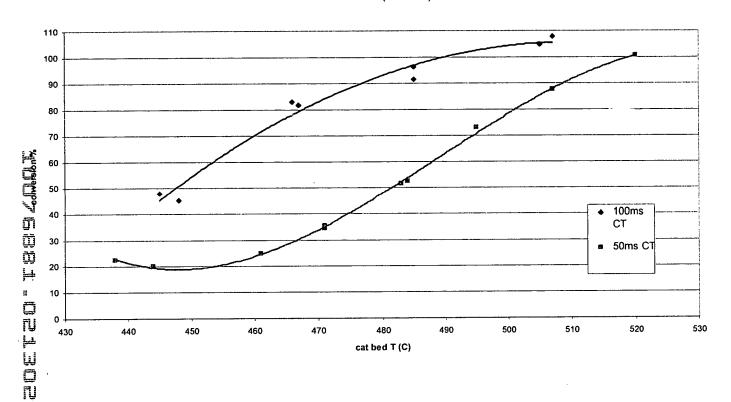


FIG. 11

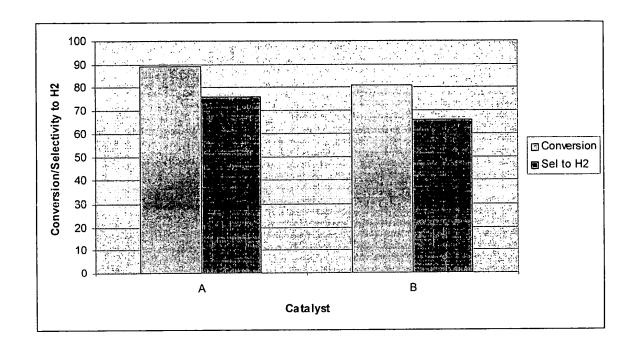


FIG. 12